

Electronic supplementary material**ESM Table 1** Cytokine levels per animal group

Cytokine	Chow			HFD	
	Wild-type	<i>hIL6</i> ^{tg}	Wild-type	<i>hIL6</i> ^{tg}	<i>ob/ob</i>
TNF α (pg/ml)	ND	ND	8.5 \pm 4	ND	1654 \pm 321
IL10 (pg/ml)	ND	ND	100 \pm 14	ND	-
INF γ (pg/ml)	ND	ND	ND	ND	8 \pm 2.5
IL1 (pg/ml)	ND	ND	86 \pm 8.5	ND	-
MCP1 (pg/ml)	23 \pm 5	16 \pm 8	65 \pm 45.5	19 \pm 7.5	73 \pm 16
CRP (pg/ml)	20 \pm 9.5	ND	26 \pm 8	ND	51 \pm 7
mIL6 (ng/ml)	16 \pm 6	15.4 \pm 9			
hIL6 (ng/ml)	ND	1150 \pm 24			
SAA (ng/ml)	13.5 \pm 2	16 \pm 4			
IGF1 (ng/ml)	266 \pm 15	234 \pm 24			
Corticosterone (ng/ml)	0.2	0.6			

Human and mouse IL6 levels were measured by ELISA kit from the serum of random fed mice. Levels of TNF α , INF γ , IL10, IL1 and CRP were measured using Beadlyte mouse multi-cytokine beadmaster kit. Monocyte chemoattractant protein 1 (MCP1), adiponectin and resistin were measured using adipokine-plex kit. SAA levels were measured by Elisa kit from the serum of random fed mice on the regular diet. IGF-1 and corticosterone levels were measured by radio-immunoassay ($n=10$ from each genotype, 16-week-old mice), BL/6J-*ob/ob* obese mice were used as control ND, non detectable (detection levels <7 pg/ml)